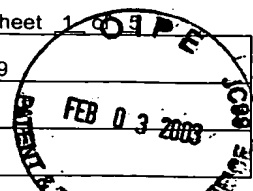


Sheet 1 of 1

<b>Form PTO 1449</b> Rev. 7-80 <b>U.S. Department of Commerce</b> Patent and Trademark Office <b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use Several Sheets If Necessary)	Atty. Docket No. Mo-7002 / LeA 34,933 Applicant Dieter Artt Filing Date February 4, 2002	Serial No. 10/066,979 Group 1714
--	---	---



**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROPRIATE
<i>WZ</i>	AA	5,244,857	09/14/93	<del>(Bel. to corresp. to EP</del> Pugin et al	<del>406,699)</del> 502	167	
<i>WZ</i>	AB	5,252,751	10/12/93	<del>(Bel. to corresp. to EP</del> Pugin et al	<del>496,700)</del> 549	214	
<i>WZ</i>	AC	5,306,853	04/26/94	<del>(Bel. to corresp. to EP</del> Pugin et al	<del>406,699)</del> 585	269	
<i>WZ</i>	AD	5,308,819	05/03/94	<del>(Bel. to corresp. to EP</del> Pugin et al	<del>496,700)</del> 502	162	
<i>WZ</i>	AE	5,382,729	01/17/95	<del>(Bel. to corresp. to EP</del> Pugin et al	<del>496,700)</del> 585	277	
<i>WZ</i>	AF	5,432,289	07/11/95	<del>(Bel. to corresp. to EP</del> Pugin et al	<del>496,700)</del> 549	221	
<i>WZ</i>	AG	5,457,219	10/10/95	Forcher et al	556	404	
<i>WZ</i>	AH	5,763,688	06/09/98	<del>(Bel. to corresp. to EP</del> Ikariya et al	<del>718,265)</del> 568	814	
<i>WZ</i>	AI	5,935,892	08/10/99	Davis et al	502	156	
<i>WZ</i>	AJ	5,990,318	11/23/99	Chan et al	548	412	
<i>WZ</i>	AK	6,162,951	12/19/00	<del>(Bel. to corresp. to GB</del> Polywka et al	<del>96-19604)</del> 568	13	

**RECEIVED**

**FEB 5 2003**

**TC 1700**

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
<i>WZ</i>	AL	01/74828	10/11/01	World				X
<i>WZ</i>	AM	2,170,100	08/25/96	<del>(Bel. to corresp. to EP 728,768)</del> Canada				
	AN							
	AO							
	AP							

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

<i>WZ</i>	AR	<i>WZ</i>	AN 1999: 760462
<i>WZ</i>	AS	<i>WZ</i>	AN 1994: 557248
<i>WZ</i>	AT	<i>WZ</i>	AN 1998: 715053
EXAMINER <i>M. W. Z.</i> DATE CONSIDERED <i>7/03</i>			
EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.			

\* Neither English Language Equivalent nor an English Language Translation is available.

Form PTO 1449  
Rev. 7-80

U.S. Department of Commerce  
Patent and Trademark Office  
**LIST OF PRIOR ART CITED BY APPLICANT**  
(Use Several Sheets If Necessary)

Atty. Docket No.  
Mo-7002 / LeA 34,933

Serial No.  
10/066,979

Applicant  
Dieter Arit

Filing Date  
February 4, 2002

Group  
1714

Sheet 2

FEB 03 2003

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	DATE IF APPRO- PRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED  
FEB 5 2003  
TC 1700

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
	AL							
	AM							
	AN							
	AO							
	AP							

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	J. Am. Chem. Soc., (month unavailable) 1999, 121, pgs. 7407-7408, Highly Effective Soluble Polymer-Supported Catalysts for Asymmetric Hydrogenation by Qing-hua Fan, Chang-yu Ren, Chi-hung Yeung, Wen-hao Hu and Albert S. C. Chan.
AS	J. Org. Chem, (month unavailable) 1994, 59, pgs. 3064-3076, Cationic BINAP-Ru(II) Halide Complexes: Highly Efficient Catalyst for Stereoselective Asymmetric Hydrogenation of $\alpha$ - and $\beta$ -Functionalized Ketones by Kazushi Mashima, Koh-hei Kusano, Naomasa Sato, Yoh-ichi Matsumura, Kyoko Nozaki, Hidenori Kumobayashi, Noburu Sayo, Yoji Hori, Takero Ishizaki, Susumu Akutagawa, and Hidemasa Takaya.
AT	J. Org. Chem., (month unavailable) 1998, 63, pgs. 3137-3140, Preparation and Use of a Polymer Supported BINAP Hydrogenation Catalyst by D. J. Bayston, J. L. Fraser, M. R. Ashton, A. D. Baxter, M. E. C. Polywka, and E. Moses.

EXAMINER

DATE CONSIDERED

EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.

\* Neither English Language Equivalent nor an English Language Translation is available.

Form PTO 1449  
Rev. 7-80

U.S. Department of Commerce  
Patent and Trademark Office  
**LIST OF PRIOR ART CITED BY APPLICANT**  
(Use Several Sheets If Necessary)

Atty. Docket No.  
Mo-7002 / LeA 34,933

Serial No.  
10/066,979

Applicant  
Dieter Arit

Filing Date  
February 4, 2002

Group  
1714

Sheet 3 of 5

FEB 03 2003

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED  
FEB 5 2003  
TC 1700

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
	AL							
	AM							
	AN							
	AO							
	AP							

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		Tetrahedron: Asymmetry, Vol. 2, No. 7, pgs. 555-567, (month unavailable) 1991, Asymmetric Synthesis. Practical Production of D and L Threonine. Dynamic Kinetic Resolution in Rhodium and Ruthenium Catalyzed Hydrogenation of 2-Acylamino-3-Oxobutyrate by J. P. Genet, C. Pinel, S. Mallart, S. Juge, S. Thorimbert and J. A. Laffitte.
AS		Tetrahedron Letters, Vol. 34, No. 12, pgs. 1905-1908, (month unavailable) 1993, Preparation of Primary Vicinal Diamines from Amino Acid Esters and Crystal Structure of a Chiral Nickel Salen Complex by Shiow-Jyi Wey, Kenneth J. O'Connor and Cynthia J. Burrows.
AT		Journal of Molecular Catalysts A: Chemical 107, (month unavailable) 1996, pgs. 273-279, Immobilized catalysts for enantioselective hydrogenation: The effect of site-isolation by B. Pugin.
EXAMINER		DATE CONSIDERED 7/03

EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.

\* Neither English Language Equivalent nor an English Language Translation is available.

Form PTO 1449  
Rev. 7-80

U.S. Department of Commerce  
Patent and Trademark Office  
**LIST OF PRIOR ART CITED BY APPLICANT**  
(Use Several Sheets If Necessary)

Atty. Docket No.  
Mo-7002 / LeA 34,933

Serial No.  
10/066,979

Applicant  
Dieter Arit

Filing Date  
February 4, 2002

Group  
1714

Sheet 4 of 5

FEB 03 2003

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED  
FEB 5 2003  
TC 1700

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
	AL							
	AM							
	AN							
	AO							
	AP							

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Synlett, No. 5, (month unavailable) 2000, pgs. 680-682, <i>Poly-NAP</i> as Ligand for the Asymmetric Hydrogenation of Ketones by Rob ter Halle, Emmanuelle Schulz, Michel Spagnol and M. Lemaire.
AS	Tetrahedron Letters, 41, (month unavailable) 2000, pgs. 643-646, <i>'Diam-BINAP'</i> ; a highly efficient monomer for the synthesis of heterogeneous enantioselective catalysts by Rob ter Halle, Benoist Colasson, Emmanuelle Schulz, Michel Spagnol and M. Lemaire.
AT	Abdur-Rashid K et al: "RuHCl(diphosphine)(diamine): Catalyst precursors for the stereoselective hydrogenation of ketones and imines" Organometallics, ACS, Columbus, OH, US, Bd. 20, Nr. 6, 19. Marz 2001 (2001-03-19), Seiten 1047-1049, XP001033320 ISSN:0276-7333, Abbildung 1, Seite 1047, rechte Spalte Seite 1048, rechte Spalte; Tabelle 1.

EXAMINER

DATE CONSIDERED

EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609. Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.

\* Neither English Language Equivalent nor an English Language Translation is available.

Form PTO 1449  
Rev. 7-80

U.S. Department of Commerce  
Patent and Trademark Office  
**LIST OF PRIOR ART CITED BY APPLICANT**  
(Use Several Sheets If Necessary)

Atty. Docket No.  
Mo-7002 / LeA 34,933

Serial No.  
10/066,979

Applicant  
Dieter Art

Filing Date  
February 4, 2002

Group  
1714

Sheet 5 of 5

FEB 03 2003

**U.S. PATENT DOCUMENTS**



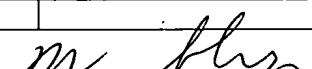
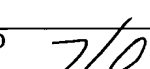
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED  
FEB 5 2003  
TC 1700

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
	AL							
	AM							
	AN							
	AO							
	AP							

**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		Doucet H et al: "Trans-ÄrucI2(phosphane)2(1,2-Diamine)Ü and Chiral Trans-ÄrucI2(diphosphane) (1,2-diamine): Shelf-stable precatalysts for the rapid, productive, and stereoselective hydrogenation of ketones" Angewandte Chemie. International Edition, Verlag Chemie. Weinheim, DE, Bd. 37. 37, Nr. 12, 1998, Seiten 170-3-1707, XP002938991 ISSN: 0570-0833 das ganze Document.
	AS		
	AT		
EXAMINER 		DATE CONSIDERED 	
EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.			

\* Neither English Language Equivalent nor an English Language Translation is available.